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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/668,707	09/23/2003	Zvonimir Z. Bandic	HSJ920030180US3	2210
48583	7590	03/21/2006	EXAMINER	
BRACEWELL & PATTERSON, LLP			NGUYEN, TAI V	
PO BOX 61389			ART UNIT	
HOUSTON, TX 77208-1389			PAPER NUMBER	

3729

DATE MAILED: 03/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/668,707

Applicant(s)

BANDIC ET AL.

Examiner

Tai Van Nguyen

Art Unit

3729

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,5,7-9,13 and 14 is/are rejected.
- 7) ☒ Claim(s) 3,4,6,10-12 and 15-20 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.
2. The following title is suggested: A METHOD OF MAKING A HARD DISK DRIVE MORE VISUALLY STIMULATING.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 2 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Park (US 5,349,575) in view of Ishii et al (US 5,396,340).

As applied to claims 1 and 2, Park discloses a method of making a hard disk drive more visually stimulating, comprising: (a) providing the hard disk drive with a housing (1, Fig. 1-2), a disk (11A) that is rotatable relative to the housing, an actuator (11C) that is movable relative to the disk, and a cover (2A + 2B) that is at least partially transparent; (b) mounting the hard disk drive to an electronic device (12, 13); (c) providing data storage and/or retrieval for the electronic device with the hard disk drive (see col. 5, lines 15+).

However, Park does not disclose that the cover that is partially transparent and permitting observation of at least some movement inside the housing through the cover while the electronic device is in operation. Ishii et al teach that a cover can include a cover portion that is partially transparent with a window 8 that permits observation of at least some movement of the disk inside the housing through the cover while the electronic device is in operation (see col. 3, lines 10-18).

Regarding to claim 5, the cover of Park is also translucent by the virtue of the material of the window.

It would have been obvious to one of ordinary skill in the art at this time the invention was made to have modified the cover of Park by including a transparent window, as taught by Ishii et al, to check the movement of the disk inside the housing and insure proper operation (see column 1, lines 56-59).

5. Claims 7-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Park in view of Ishii et al and further in view of Funabashi et al. (US 5,105,414).

As applied to claims 7-9, Park as modified by Ishii discloses all of the limitations of the claimed invention as relied up above, except flashing a light on and making the movement inside the housing appear to move at a speed that is less than an actual speed of the movement.

However, Funabashi et al. teach a light on and making the movement inside the housing appear to move at a speed that is less than an actual speed of the movement (see column 13, lines 30-65+). It would have been obvious to one of ordinary skill in the art at this time the invention was made to have modified the light can observe operation

inside the housing of Park, by including the light, as taught by Funabashi, to positively providing loaded smoothly and highly accurately and can be assembly with ease and efficiency (column 1, lines 45-48)

6. Claims 13 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Park in view of Ishii et al. and further in view of Funabashi et al (US 5,105,414).

As applied to claim 13, Park as modified by Ishii discloses a method of making a hard disk drive more visually stimulating, comprising: (a) providing the hard disk drive with a housing (1, Fig. 1-2), a disk (11A) that is rotatable relative to the housing, an actuator (11C) that is movable relative to the disk, and a cover (2A + 2B) that is at least partially transparent; (b) mounting the hard disk drive to an electronic device (12, 13); (c) providing data storage and/or retrieval for the electronic device with the hard disk drive (see col. 5, lines 15+).

However, Park does not teach the flashing a light on and making the movement inside the housing appear to move at a speed that is less than an actual speed of the movement.

Funabashi et al. teaches the light on and making the movement inside the housing appear to move at a speed that is less than an actual speed of the movement (see column 4, lines 1-14).

Regarding to claim 14, the cover of Park is also translucent by the virtue of the material of the window.

It would have been obvious to one of ordinary skill in the art at this time the invention was made to have modified the light can observe operation inside the housing of Park, by including the light, as taught by Funabashi et al., to positively providing loaded smoothly and highly accurately and can be assembly with ease and efficiency (column 1, lines 45-48)

Allowable Subject Matter

7. Claims 3, 4, 6, 10-12 and 15-20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.


9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tai Van Nguyen whose telephone number is 571-272-4567. The examiner can normally be reached on M-F (7:30 A.M - 4:30 P.M).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3729

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TN.
March 10, 2006



A. DEXTER TUGBANG
PRIMARY EXAMINER